



# State of Utah

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DIVISION OF OIL, GAS AND MINING

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March 28, 2003

CERTIFIED RETURN RECEIPT  
7099 3400 0016 8896 2475

John Hewitt  
Interstate Brick Company  
9780 South 5200 West  
West Jordan, Utah 84088

Re: Initial Review of Notice of Intention to Amend Large Mining Operations, Interstate Brick Company, Five Mile Pass Mine, M/045/006, Tooele County, Utah

Dear Mr. Hewitt:

The Division has completed our review of your draft Notice of Intention to Commence Large Mining Operations for the Five Mile Pass Mine, located in Tooele County, Utah, which was received January 6, 2003. After reviewing the information, the Division has the following comments which will need to be addressed before tentative approval may be granted. Please respond to this review by April 28, 2003.

The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion. **Please address only those items requested in the attached technical review. You may send replacement pages of the original mining notice using redline and strikeout text, so we can see what changes have been made. After the notice is determined technically complete and we are prepared to issue final approval, we will ask that you send us two copies of the complete and corrected plan. Upon final approval of the permit, we will return one copy stamped "approved" for your records**

The Division will suspend further review of the Five Mile Pass Mine Notice of Intention until your response to this letter is received. If you have any questions in this regard please contact me, Tom Munson, Lynn Kunzler, or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb  
Attachment: Review, Reclamation Surety Estimate  
O:\M045-Tooele\M0450006-FiveMilePass\Final\M0450006rev.doc

## **REVIEW OF NOTICE OF INTENTION TO AMEND LARGE MINING OPERATIONS**

### **Interstate Brick Company Five Mile Pass Mine**

**M/045/006**

#### **R647-4-105 - Maps, Drawings & Photographs**

##### **105.1 Topographic base map, boundaries, pre-act disturbance**

Please provide a scaled map of the site showing the location of any pits, waste dumps, soil stockpiles, clay stockpiles, and all roads within the site. Please note which roads will remain at closure. All pre-law (July, 1977) disturbances that exist at the site that have not been reimpacted should also be shown and labeled on this map. The minimum scale of this map should be 1"=200' or larger. (DJ)

Appendix 2 of the plan contains a listing of the disturbances at the site. Please locate and label these areas on the scaled site map. (DJ)

##### **105.2 Reclamation Treatments map**

Please include a map showing areas of the site to receive different reclamation treatments. These areas may be shaded, cross-hatched or color-coded to identify which reclamation treatments will be applied to the area. Reclamation treatments include, but not limited to: ripping, regrading, replacing soil, fertilizing, mulching, broadcast or drill seeding. (DJ)

##### **105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)**

Representative cross-sections showing the pit contours before and after reclamation should be a part of this presentation. (DJ)

#### **R647-4-106 - Operation Plan**

##### **106.3 Estimated acreages disturbed, reclaimed, annually.**

The amended plan states that no increase in disturbed area will occur at the site for the next five years. Interstate needs to furnish scaled maps of existing site disturbances for the Division's use in documenting this fact. (DJ)

##### **106.4 Existing soil types, location, amount**

Please provide an estimate of the amount (volume) of material in each topsoil pile and the waste rock pile that will be used for backfill material. Please provide information on the soil materials in the expanded area. Are they the same as the soil material found in the previously permitted areas? If not, please provide an analytical description of these soils, including texture, pH, EC, CEC, %OM, and fertility. (LK)

##### **106.5 Plan for protecting & redepositing soils**

The 1994 plan amendment states that soil piles, which are to remain over a year, will be seeded to protect the soil from erosion. Please indicate that soil piles located at the site have been, or will be seeded with the appropriate seed mixture. (DJ)

**106.6 Existing vegetation - species and amount**

Please provide a description of the vegetation in the expansion area as it relates to the previously permitted areas. Is it the same (vegetation type, % ground cover)? If not, please provide the results of a vegetation survey that describes the vegetation that existed prior to mining, including the common species found and the % ground cover. (LK)

**R647-4-107 - Operation Practices**

**107.1 Public safety & welfare**

**1.15 Constructing berms, fences, etc. above highwalls**

Because of the frequent ORV use in this area, berms will be constructed above any highwalls that exist within the approved permit area. (DJ)

**R647-4-110 - Reclamation Plan**

**110.2 Roads, highwalls, slopes, drainages, pits, etc., reclaimed**

For surety calculation purposes, use of the limestone rock for backfill material in the pit needs to be decided. An estimate of the cubic yards of material that will be needed for this purpose will need to be included in the final calculations. (DJ)

Also as a part of this agreement, Interstate stated that if they were allowed to sell the waste rock there would be enough topsoil to backfill the pit. Please indicate the amount of soil available and the amount of soil that will be required for this purpose. (DJ)

The plan states that the rock and soil piles that remain after reclamation will be graded and seeded. The 94 plan amendment states that piles will be graded to a 2:1 slope. Please include the proposed final slope angle for the regraded dumps at the site in the plan. (DJ)

**110.5 Revegetation planting program**

The plan states that a seed mixture appropriate for the area will be used to seed the remaining soil and rock stockpiles. In 1996, the Division submitted a seed mix to be used for this area. Please use this mix for any reseeding efforts at the site, or provide a seed mix that will meet the needs of the post mining land use. (LK)

**R647-4-111 - Reclamation Practices**

**111.5 Land capable of post mining land use**

It is assumed that the post mining land use for the expansion area will be the same as for the previously permitted areas which is wildlife habitat and grazing. If this is incorrect, please provide us with a description of the intended post mining land use. (LK)

**111.7 Highwalls stabilized at 45 degrees or less**

On July 27, 1999, as a part of the agreement between the Division and Interstate, it was stated that the pit walls would be pushed down, or that fill material would be dumped in

front of them to create a sloped effect. Please indicate which option will be used on highwalls that occur at the site. As a part of the plan, include the detail of how this option will be completed. The cost of implementing this option should be included in the surety calculations. (DJ)

**111.8 All roads & pads reclaimed**

Please state in the plan how the roads to be reclaimed will be closed. (DJ)

**111.12 Topsoil redistribution**

The plan states that soil will be spread over the disturbed areas approximately one foot thick. If there is not sufficient soil to cover all disturbed areas with a foot of soil, how will the shortfall be made up? Borrow areas? Amended overburden? Hauled in from off site? It is assumed that Interstate will apply soil to the rock pile before it is seeded. If this is not correct, please clarify. (DJ & LK)

**R647-4-112 - Variance**

No variances were applied for in this plan amendment.

**R647-4-113 – Surety**

The surety contained with the plan is insufficient. A blank copy of the Division's Reclamation Surety Estimate form is included for your use in calculating the surety amount. (DJ)

Appendix 3 of the plan delineates an area of 48 acres for the new permit area boundary. The plan, as submitted, shows 16.7 acres of existing disturbance. The reclamation surety will need to be calculated to reclaim all the disturbances related to this plan. Additional disturbances will require a change in the plan as submitted and additional bonding. (DJ)